

CalESCO

CALIFORNIA EARTH SCIENCE CORPORATION

1318 SECOND STREET, SUITE 27 / SANTA MONICA, CALIFORNIA 90401 / TELEPHONE 395-4528, AREA CODE 213

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Contract NAS 2-7698  
MONTHLY PROGRESS REPORT NO. 14  
July 1974

Fault Tectonics and Earthquake Hazards in the Peninsular  
Ranges, Southern California, EREP investigation 463

NASA, Ames Research Center  
Mail Code 241-1  
Moffett Field, CA 94035

Attention: Mr. Gabriel Fox  
Contracting Officer

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in the interest of early and wide dis-  
semination of Earth Resources Survey  
Program information and without liability  
for any use made thereof."

Gentlemen:

California Earth Science Corporation (CalESCO) is pleased to submit its 14th  
Monthly Progress Report on the application of Skylab imagery to analysis of  
fault tectonics and earthquake hazards in the Peninsular Ranges, southern  
California under NASA Contract No. NAS 2-7698.

#### Summary Outlook

The principal plans for the immediate future are to continue analysis of images  
from SL1/SL2 and SL3. The milestone plan provides a time-oriented schedule of  
the entire effort to be performed.

#### Significant Progress

1. Technical report 74-1 entitled "Lineaments in basement terrane of the  
Peninsular Ranges", was submitted in mid July.
2. The principal investigator attended the P.I. Skylab Conference at J.S.C.,  
July 16-18. Additional data over the test site, not previously received,  
or on order, was reviewed. Of special significance are 190A, 190B and 192  
data of the cloud-free test site taken on Pass 43, Tract 16 (SL3).
3. Two interim 192 tapes have been delivered to the JPL Image Processing  
Laboratory for reading.

(E74-10702) FAULT TECTONICS AND  
EARTHQUAKE HAZARDS IN THE PENINSULAR  
RANGES, SOUTHERN CALIFORNIA Monthly  
Progress (California Earth Science Corp.,  
Santa Monica.) 2 p HC \$4.00 CSCL 08E

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G3/13

4. Field work was initiated on the Green Valley lineament, a prominent feature on SL3 190B images.

Expected Accomplishments, Current Month

1. Work on technical reports describing significant results to date will be continued.
2. A test chart will be prepared at Rand for evaluating pseudocolor transformations.

Travel Summary and Plans

None

Very truly yours,

CALIFORNIA EARTH SCIENCE CORP.

*Paul M. Merifield*  
Paul M. Merifield  
Principal Investigator

cc: National Aeronautics and Space  
Administration  
Scientific and Technical Information Facility  
Code KS  
Washington, D.C. 20546

Mr. John W. Tremor  
NASA, Ames Research Center  
Moffett Field, CA 94035

NASA Manned Spacecraft Center  
Attn: Martin Miller, Mail Code TF6  
Houston, TX 77058

NASA Manned Spacecraft Center  
Earth Observation Division  
Attn: V. M. Dauphin, Mail Code TF  
Houston, TX 77058